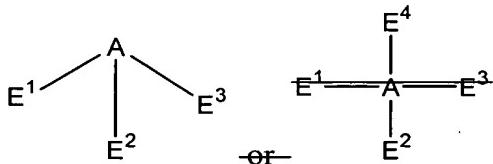


This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

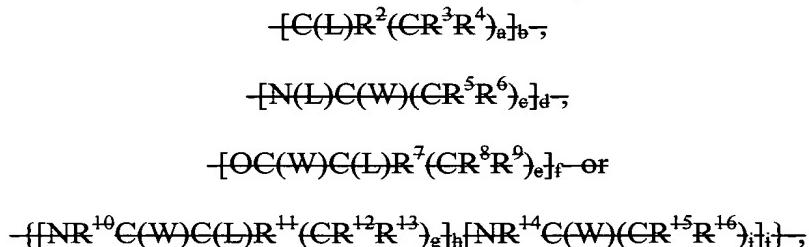
1. (Currently Amended) A polypodal chelant having the formula:



and pharmaceutically acceptable salts thereof, wherein

A is a spacer selected from the group consisting of R¹-C, R¹-Si, R¹-Ge, N, P and P(O), or a

~~macrocyclic group having the formula:~~



~~wherein a is an integer selected from 1 to 3;~~

~~b is an integer selected from 3 to 5;~~

~~c is an integer selected from 1 to 3;~~

~~d is an integer selected from 3 or 4;~~

~~e is an integer selected from 1 to 3;~~

~~f is an integer selected from 3 or 4;~~

~~g is an integer selected from 1 to 3;~~

~~h is an integer selected from 3 or 4;~~

~~i is an integer selected from 1 to 3;~~

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j is an integer selected from 0 to 3;

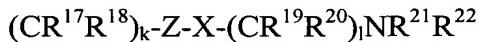
L is a direct bond to E¹, E², E³, and E⁴;

W is H₂ or O;

R¹, R², R³, R⁴, R⁵, R⁶, R⁷, R⁸, R⁹, R¹⁰, R¹¹, R¹², R¹³, R¹⁴, R¹⁵, and R¹⁶ are independently

selected at each occurrence from the group consisting of H, C₁-C₆ alkyl, C₃-C₆ cycloalkyl, C₁-C₆ fluoroalkyl, C₁-C₆ alkenyl, C₃-C₆ cycloalkenyl, C₁-C₆ fluoroalkenyl, benzyl, fluorobenzyl, phenyl and fluorophenyl;

E¹, E², E³, and E⁴ are chelating arms each independently having the formula:



wherein

k is an integer selected from 0 to 3, provided that when A is N or

[N(L)C(W)(CR⁵R⁶)_e]_d-, k is 1-3;

l is an integer selected from 1 to 3;

Z is selected from the group consisting of a bond, O, NH, NR¹NR¹, ONH and

N(OR¹);

X is selected from the group consisting of C(O), S(O)₂ and P(O)(OR¹);

R¹⁷, R¹⁸, R¹⁹, R²⁰, R²¹ and R²² are independently selected from the group consisting of H, C₁-C₁₀ alkyl substituted with 0-5 R²³, C₁-C₁₀ fluoroalkyl substituted with 0-5 R²³, C₂-C₁₀ alkenyl substituted with 0-5 R²³, C₂-C₁₀ fluoroalkenyl substituted with 0-5 R²³, aryl substituted with 0-5 R²³, C₇-C₁₆ alkaryl wherein the aryl is substituted with 0-5 R²³, and fluoroaryl substituted with 0-5 R²³; or R¹⁷ and R¹⁸, R¹⁹ and R²⁰ or R²¹ and R²² may be taken together to form a C₃-C₁₀ cycloalkyl or C₃-C₁₀ cycloalkenyl optionally interrupted with C(O)NH, NH,

NHC(O), NHC(O)NH, NHC(S)NH, O, S, S(O), S(O)₂, P(O)(OR²⁴), P(O)(OR²⁴)O or P(O)(NHR²⁴)O, or to form a =CH-R^{22a} group, wherein R^{22a} is aryl substituted with 0-5 R²³, or heterocycle substituted by 0-5 R²³; R²³ is selected from the group consisting of H, OH, C₁-C₃ alkyl, C₁-C₃ hydroxyalkyl, C(=O)R²⁴, C(=O)OR²⁴, C(=O)NR²⁴₂, PO(OR²⁴)₂ and S(O)₂OR²⁴; and R²⁴ is selected from the group consisting of H, C₁-C₆ alkyl, C₃-C₆ cycloalkyl, C₁-C₆ fluoroalkyl, C₁-C₆ alkenyl, C₃-C₆ cycloalkyl, C₁-C₆ fluoroalkenyl, benzyl, fluorobenzyl, phenyl, and fluorophenyl,

with the proviso that when A is CH₃-C and E¹ is CH₂-NH-C(O)-C(CH₃)₂-NH₂, at least one of E2 or E3 is other than CH₂-NH-C(O)-C(CH₃)₂-NH₂.

Claim 2 (Canceled)

3. (Original) A polypodal chelant according to claim 1, characterized by being tripodal.
4. (Currently Amended) A tripodal chelant according to claim 3, wherein A is a spacer selected from the group consisting of R¹-C, N, P, and P(O), and [N(L)C(W)(CR⁵R⁶)_e]_d—; R¹, R⁵, and R⁶ are is selected from the group consisting of H, C₁-C₆ alkyl, C₃-C₆ cycloalkyl, C₁-C₆ alkenyl, C₃-C₆ cycloalkyl, benzyl, and phenyl; E¹, E², and E³ are chelating arms each independently having the formula:



R²¹ and R²² are independently selected at each occurrence from the group consisting of H, C₁-C₁₀ alkyl substituted with 0-2 R²³, C₂-C₁₀ alkenyl substituted with 0-2 R²³, aryl substituted with 0-2 R²³, and C₇-C₁₆ alkaryl, wherein the aryl is substituted with 0-2 R²³, or R²¹ and R²² may be taken together to form a =CH-R^{22a} group, wherein R^{22a} is aryl substituted with 0-5 R²³, or heterocycle substituted by 0-5 R²³;

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R²³ is selected from the group consisting of H, OH, C₁-C₃ alkyl, C₁-C₃ hydroxyalkyl,

C(=O)R²⁴, C(=O)OR²⁴, C(=O)NR²⁴₂, PO(OR²⁴)₂ and S(O)₂OR²⁴; and

R²⁴ is selected from the group consisting of H, C₁-C₆ alkyl, C₃-C₆ cycloalkyl, C₁-C₆ fluoroalkyl, C₁-C₆ alkenyl, C₃-C₆ cycloalkyl, benzyl and phenyl.

5. (Currently Amended) A tripodal chelant according to claim 4, wherein A is a spacer selected from the group consisting of N, and P(O), and [N(L)C(W)(CR⁵R⁶)_e]_d; R⁵ and R⁶ are independently selected at each occurrence from the group consisting of H, C₁-C₆ alkyl, C₃-C₆ cycloalkyl, phenyl and benzyl; E¹, E², and E³ are chelating arms each independently having the formula:



wherein R²¹ and R²² are independently selected from the group consisting of C₁-C₁₀ alkyl substituted with 0-2 R²³, and aryl substituted with 0-2 R²³, or R²¹ and R²² may be taken together to form a =CH-R^{22a} group, wherein R^{22a} is aryl substituted with 0-5 R²³, or heterocycle substituted by 0-5 R²³; R²³ is selected from the group consisting of OH, C₁-C₃ hydroxyalkyl, COOH, PO(OH)₂ and S(O)₂OH.

6. (Original) A tripodal chelant according to claim 5, wherein A is a spacer selected from the group consisting of N, and P(O); E¹, E² and E³ are chelating arms each independently having the formula:



wherein k is 2-3; R²¹ is independently selected from the group consisting of CH₃, CH₂COOH, and CH₂PO(OH)₂; and R²² is independently selected from the group consisting of CH₂COOH, and CH₂PO(OH)₂.

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7. (Original) A tripodal chelant according to claim 6, wherein A is N or P(O); E¹, E², and E³ are (CH₂)_k-NHCOCH₂N(CH₂COOH)₂, and k is 2-3.
8. (Original) A tripodal chelant according to claim 7, wherein A is N; E¹, E² and E³ are (CH₂)_k-NHCOCH₂N(CH₂COOH)₂, and k is 2-3.
9. (Original) A tripodal chelant according to claim 7, wherein A is N; E¹, E² and E³ are (CH₂)_k-NHCOCH₂N(CH₃)(CH₂COOH), and k is 2-3.

Claims 10-14 (Canceled)

15. (Original) A radiopharmaceutical compound comprising a polypodal chelant according to claim 1, chelated with a radionuclide selected from the group consisting of ^{52m}Mn, ⁵²Fe, ⁵⁵Co, ⁶⁴Cu, ⁶⁷Cu, ⁶⁷Ga, ⁶⁸Ga, ⁹⁰Y, ^{94m}Tc, ^{99m}Tc, ¹⁰⁵Rh, ¹⁰⁹Pd, ¹¹¹In, ^{117m}Sn, ¹⁴⁹Pr, ¹⁵³Sm, ¹⁵⁹Gd, ¹⁶⁶Ho, ¹⁶⁹Yb, ¹⁷⁷Lu, ¹⁸⁶Re, ¹⁸⁸Re, ²⁰³Pb, ²¹¹Pb, and ²¹²Bi.

Claim 16 (Canceled)

17. (Original) The radiopharmaceutical compound according to claim 15, wherein said polypodal chelant is characterized by being tripodal.

18. (Currently Amended) The radiopharmaceutical compound according to claim 17, wherein A of said tripodal chelant is a spacer selected from the group consisting of R¹-C, N, P, and P(O), and

~~+N(L)C(W)(CR⁵R⁶)_d-; R¹, R⁵, and R⁶ are selected from the group consisting of H, C₁-C₆ alkyl, C₃-C₆ cycloalkyl, C₁-C₆ alkenyl, C₃-C₆ cycloalkyl, benzyl, and phenyl; E¹, E², and E³ are chelating arms each independently having the formula:~~



R²¹ and R²² are independently selected at each occurrence from the group consisting of H, C₁-C₁₀ alkyl substituted with 0-2 R²³, C₂-C₁₀ alkenyl substituted with 0-2 R²³, aryl

substituted with 0-2 R²³, and C₇-C₁₆ alkaryl, wherein the aryl is substituted with 0-2 R²³, or R²¹ and R²² may be taken together to form a =CH-R^{22a} group, wherein R^{22a} is aryl substituted with 0-5 R²³, or heterocycle substituted by 0-5 R²³; R²³ is selected from the group consisting of H, OH, C₁-C₃ alkyl, C₁-C₃ hydroxyalkyl, C(=O)R²⁴, C(=O)OR²⁴, C(=O)NR²⁴₂, PO(OR²⁴)₂ and S(O)₂OR²⁴; and R²⁴ is selected from the group consisting of H, C₁-C₆ alkyl, C₃-C₆ cycloalkyl, C₁-C₆ fluoroalkyl, C₁-C₆ alkenyl, C₃-C₆ cycloalkyl, benzyl and phenyl.

19. (Currently Amended) The radiopharmaceutical compound according to claim 18, wherein A is a spacer selected from the group consisting of N; and P(O); and [N(L)C(W)(CR⁵R⁶)_e]_d; R⁵ and R⁶ are independently selected at each occurrence from the group consisting of H, C₁-C₆ alkyl, C₃-C₆ cycloalkyl, phenyl and benzyl; E¹, E², and E³ are chelating arms each independently having the formula:



wherein R²¹ and R²² are independently selected from the group consisting of C₁-C₁₀ alkyl substituted with 0-2 R²³, and aryl substituted with 0-2 R²³, or R²¹ and R²² may be taken together to form a =CH-R^{22a} group, wherein R^{22a} is aryl substituted with 0-5 R²³, or heterocycle substituted by 0-5 R²³; R²³ is selected from the group consisting of OH, C₁-C₃ hydroxyalkyl, COOH, PO(OH)₂ and S(O)₂OH.

20. (Original) The radiopharmaceutical compound according to claim 19, wherein A is N or P(O); E¹, E² and E³ are chelating arms each independently having the formula:



wherein k is 2-3; R²¹ is independently selected from the group consisting of CH₃, CH₂COOH, and CH₂PO(OH)₂; and R²² is independently selected from the group consisting of CH₂COOH, and CH₂PO(OH)₂.

21. (Original) The radiopharmaceutical compound according to claim 20, wherein A is N or P(O); k is 2-3; and E¹, E² and E³ are (CH₂)_k-NHCOCH₂N(CH₂COOH)₂.
22. (Original) The radiopharmaceutical compound according to claim 21, wherein A is N; E¹, E² and E³ are (CH₂)_k-NHCOCH₂N(CH₂COOH)₂, and k is 2-3.

Claims 23-26 (Canceled)

27. (Original) An MRI contrast agent comprising a polypodal chelant according to claim 1, chelated with a paramagnetic metal ion of atomic number 21-29, 42-44 or 58-70.

Claim 28 (Canceled)

29. (Previously Presented) The MRI contrast agent according to claim 27, wherein said polypodal chelant is characterized by being tripodal.

30. (Currently Amended) The MRI contrast agent according to claim 29, wherein A of said tripodal chelant is a spacer selected from the group consisting of R¹-C, N, P, and P(O), and ~~[N(L)C(W)(CR⁵R⁶)_d]~~; R¹, R⁵, and R⁶ are is selected from the group consisting of H, C₁-C₆ alkyl, C₃-C₆ cycloalkyl, C₁-C₆ alkenyl, C₃-C₆ cycloalkyl, benzyl, and phenyl; E¹, E², and E³ are chelating arms each independently having the formula:



R²¹ and R²² are independently selected at each occurrence from the group consisting of H, C₁-C₁₀ alkyl substituted with 0-2 R²³, C₂-C₁₀ alkenyl substituted with 0-2 R²³, aryl substituted with 0-2 R²³, and C₇-C₁₆ alkaryl, wherein the aryl is substituted with 0-2

R²³, or R²¹ and R²² may be taken together to form a =CH-R^{22a} group, wherein R^{22a} is aryl substituted with 0-5 R²³, or heterocycle substituted by 0-5 R²³; R²³ is selected from the group consisting of H, OH, C₁-C₃ alkyl, C₁-C₃ hydroxyalkyl, C(=O)R²⁴, C(=O)OR²⁴, C(=O)NR²⁴₂, PO(OR²⁴)₂ and S(O)₂OR²⁴; and R²⁴ is selected from the group consisting of H, C₁-C₆ alkyl, C₃-C₆ cycloalkyl, C₁-C₆ fluoroalkyl, C₁-C₆ alkenyl, C₃-C₆ cycloalkyl, benzyl and phenyl.

31. (Currently Amended) The MRI contrast agent according to claim 30, wherein A is a spacer selected from the group consisting of N, and P(O), and [N(L)C(W)(CR⁵R⁶)_e]_d; R⁵ and R⁶ are independently selected at each occurrence from the group consisting of H, C₁-C₆ alkyl, C₃-C₆ cycloalkyl, phenyl and benzyl; E¹, E², and E³ are chelating arms each independently having the formula:



wherein R²¹ and R²² are independently selected from the group consisting of C₁-C₁₀ alkyl substituted with 0-2 R²³, and aryl substituted with 0-2 R²³, or R²¹ and R²² may be taken together to form a =CH-R^{22a} group, wherein R^{22a} is aryl substituted with 0-5 R²³, or heterocycle substituted by 0-5 R²³; R²³ is selected from the group consisting of OH, C₁-C₃ hydroxyalkyl, COOH, PO(OH)₂ and S(O)₂OH.

32. (Original) The MRI contrast agent according to claim 31, wherein A is N or P(O); E¹, E² and E³ are chelating arms each independently having the formula:



wherein k is 2-3; R²¹ is independently selected from the group consisting of CH₃, CH₂COOH, and CH₂PO(OH)₂; and R²² is independently selected from the group consisting of CH₂COOH, and CH₂PO(OH)₂.

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33. (Original) The MRI contrast agent according to claim 32, wherein A is N or P(O); k is 2-3; and E¹, E² and E³ are (CH₂)_k-NHCOCH₂N(CH₂COOH)₂.

34. (Original) The MRI contrast agent according to claim 33, wherein A is N; E¹, E² and E³ are (CH₂)_k-NHCOCH₂N(CH₂COOH)₂, and k is 2-3.

Claims 35-38 (Canceled)

39. (Original) An X-ray or CT contrast agent comprising a polypodal chelant according to claim 1, chelated with a heavy metal ion of atomic number 21-31, 39-50, 56-80, 82, 83 or 90.

Claim 40 (Canceled)

41. (Previously Presented) The X-ray or CT contrast agent according to claim 39, wherein said polypodal chelant is characterized by being tripodal.

42. (Currently Amended) The X-ray or CT contrast agent according to claim 41, wherein A of said tripodal chelant is a spacer selected from the group consisting of R¹-C, N, P, and P(O), and [N(L)C(W)(CR⁵R⁶)_a]; R¹, R⁵, and R⁶ are selected from the group consisting of H, C₁-C₆ alkyl, C₃-C₆ cycloalkyl, C₁-C₆ alkenyl, C₃-C₆ cycloalkyl, benzyl, and phenyl; E¹, E², and E³ are chelating arms each independently having the formula:



R²¹ and R²² are independently selected at each occurrence from the group consisting of H, C₁-C₁₀ alkyl substituted with 0-2 R²³, C₂-C₁₀ alkenyl substituted with 0-2 R²³, aryl substituted with 0-2 R²³, and C₇-C₁₆ alkaryl, wherein the aryl is substituted with 0-2 R²³, or R²¹ and R²² may be taken together to form a =CH-R^{22a} group, wherein R^{22a} is aryl substituted with 0-5 R²³, or heterocycle substituted by 0-5 R²³;

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R²³ is selected from the group consisting of H, OH, C₁-C₃ alkyl, C₁-C₃ hydroxyalkyl,

C(=O)R²⁴, C(=O)OR²⁴, C(=O)NR²⁴₂, PO(OR²⁴)₂ and S(O)₂OR²⁴; and

R²⁴ is selected from the group consisting of H, C₁-C₆ alkyl, C₃-C₆ cycloalkyl, C₁-C₆ fluoroalkyl, C₁-C₆ alkenyl, C₃-C₆ cycloalkyl, benzyl and phenyl.

43. (Currently Amended) The X-ray or CT contrast agent according to claim 42, wherein A is a spacer selected from the group consisting of N, and P(O), and $[N(L)C(W)(CR^5R^6)_e]_d$; R⁵ and R⁶ are independently selected at each occurrence from the group consisting of H, C₁-C₆ alkyl, C₃-C₆ cycloalkyl, phenyl and benzyl; E¹, E², and E³ are chelating arms each independently having the formula:



wherein R²¹ and R²² are independently selected from the group consisting of C₁-C₁₀ alkyl substituted with 0-2 R²³, and aryl substituted with 0-2 R²³, or R²¹ and R²² may be taken together to form a =CH-R^{22a} group, wherein R^{22a} is aryl substituted with 0-5 R²³, or heterocycle substituted by 0-5 R²³; R²³ is selected from the group consisting of OH, C₁-C₃ hydroxyalkyl, COOH, PO(OH)₂ and S(O)₂OH.

44. (Original) The X-ray or CT contrast agent according to claim 43, wherein A is N or P(O); E¹, E² and E³ are chelating arms each independently having the formula:



wherein k is 2-3; R²¹ is independently selected from the group consisting of CH₃, CH₂COOH, and CH₂PO(OH)₂; and R²² is independently selected from the group consisting of CH₂COOH, and CH₂PO(OH)₂.

45. (Original) The X-ray or CT contrast agent according to claim 44, wherein A is N or P(O); k is 2-3; and E¹, E² and E³ are (CH₂)_k-NHCOCH₂N(CH₂COOH)₂.

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46. (Original) The X-ray or CT contrast agent according to claim 45, wherein A is N; E¹, E² and E³ are (CH₂)_k-NHCOCH₂N(CH₂COOH)₂, and k is 2-3.

Claims 47-65 (Canceled)

66. (Original) A radiopharmaceutical composition for treating pathological processes involving angiogenic neovasculature in a patient in need thereof comprising a therapeutically effective amount of the radiopharmaceutical compound of claim 15 and a pharmaceutically acceptable carrier.

67. (Original) The composition of claim 66, wherein said radiopharmaceutical compound comprises a beta, alpha or Auger electron-emitting isotope.

68. (Original) A method for treating pathological processes involving angiogenic neovasculature in a patient in need thereof comprising administering to said patient a therapeutically effective amount of the radiopharmaceutical composition of claim 66.

69. (Original) A composition for radioactive imaging comprising an effective amount of the radiopharmaceutical compound of claim 15 and a pharmaceutically acceptable carrier.

70. (Original) A method for radioactive imaging comprising administering to a patient to be imaged sufficiently in advance thereto an effective amount of the radioactive imaging composition of claim 69.

71. (Original) A method according to claim 70, wherein said imaging method is gamma scintigraphy or positron-emission tomography.

72. (Original) A composition for X-ray imaging comprising an effective amount of the contrast agent of claim 39 and a pharmaceutically acceptable carrier.

73. (Original) A method for X-ray imaging comprising administering to a patient to be imaged sufficiently in advance thereof an effective amount of the X-ray imaging composition of claim 72.
74. (Original) A method according to claim 73, wherein said X-ray imaging method is CT imaging.
75. (Original) A composition for magnetic resonance imaging comprising an effective amount of the contrast agent of claim 27 and a pharmaceutically acceptable carrier.
76. (Original) A method for magnetic resonance imaging comprising administering to a patient to be imaged sufficiently in advance thereof an effective amount of the magnetic resonance imaging composition of claim 75.
77. (Original) A pharmaceutical composition for treating heavy metal toxicity in a patient in need thereof, comprising a therapeutically effective amount of the polypodal chelant of claim 1 and a pharmaceutically acceptable carrier.
78. (Original) A method for treating heavy metal toxicity in a patient in need thereof, comprising administering to said patient a therapeutically effective amount of the pharmaceutical composition of claim 77.
79. (Original) A radiopharmaceutical treatment kit comprising: a sterile, non-pyrogenic formulation comprising a radiopharmaceutical composition according to claim 66, a pH 3-9 buffering agent and optionally one or more additives selected from the group consisting of ancillary ligands, reducing agents, transfer ligands, buffers, lyophilization aids, stabilization aids, solubilization aids, bacteriostats and equipment for administering said composition.

80. (Original) The treatment kit of claim 79, wherein said formulation is in the form of a sterile solution or lyophilized solid.
81. (Original) A diagnostic kit comprising: a sterile, non-pyrogenic formulation comprising a radiopharmaceutical composition according to claim 66, a pH 3-9 buffering agent and optionally one or more additives selected from the group consisting of ancillary ligands, reducing agents, transfer ligands, buffers, lyophilization aids, stabilization aids, solubilization aids, bacteriostats and equipment for administering said composition.
82. (Original) The diagnostic kit of claim 81, wherein said formulation is in the form of a sterile solution or lyophilized solid.
83. (Original) A diagnostic kit comprising: a sterile, non-pyrogenic formulation comprising an X-ray imaging composition according to claim 72, a pH 3-9 buffering agent and optionally one or more additives selected from the group consisting of ancillary ligands, reducing agents, transfer ligands, buffers, lyophilization aids, stabilization aids, solubilization aids, bacteriostats and equipment for administering said composition.
84. (Original) The diagnostic kit of claim 83, wherein said formulation is in the form of a sterile solution or lyophilized solid.
85. (Original) A diagnostic kit comprising: a sterile, non-pyrogenic formulation comprising a magnetic resonance imaging composition according to claim 75, a pH 3-9 buffering agent and optionally one or more additives selected from the group consisting of ancillary ligands, reducing agents, transfer ligands, buffers, lyophilization aids,

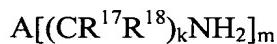
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stabilization aids, solubilization aids, bacteriostats and equipment for administering said composition.

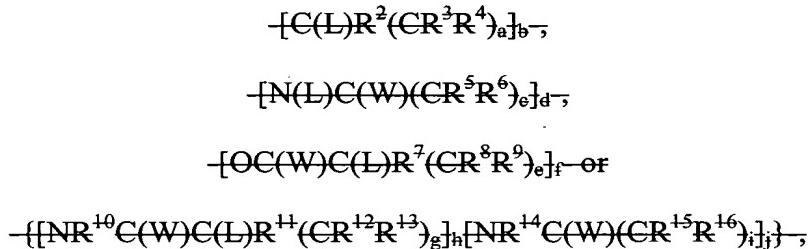
86. (Original) The diagnostic kit of claim 85, wherein said formulation is in the form of a sterile solution or lyophilized solid.

87. (Currently Amended) A compound having the formula:



wherein A is a spacer selected from the group consisting of R¹-C, R¹-Si, R¹-Ge, N, P and

P(O), or a macrocyclic group having the formula:



wherein a is an integer selected from 1 to 3;

b is an integer selected from 3 to 5;

c is an integer selected from 1 to 3;

d is an integer selected from 3 or 4;

e is an integer selected from 1 to 3;

f is an integer selected from 3 or 4;

g is an integer selected from 1 to 3;

h is an integer selected from 3 or 4;

i is an integer selected from 1 to 3;

j is an integer selected from 0 to 3;

k is an integer selected from 0 to 3;

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m is an integer selected from 3 or 4;

L is a direct bond to $[(CR^{17}R^{18})_kNH_2]$;

W is H₂ or O;

R¹, R², R³, R⁴, R⁵, R⁶, R⁷, R⁸, R⁹, R¹⁰, R¹¹, R¹², R¹³, R¹⁴, R¹⁵, and R¹⁶ are independently

selected at each occurrence from the group consisting of H, C₁-C₆ alkyl, C₃-C₆ cycloalkyl, C₁-C₆ fluoroalkyl, C₁-C₆ alkenyl, C₃-C₆ cycloalkenyl, C₁-C₆ fluoroalkenyl, benzyl, fluorobenzyl, phenyl and fluorophenyl;

R¹⁷ and R¹⁸ are independently selected from the group consisting of H, C₁-C₁₀ alkyl substituted with 0-5 R²³, C₁-C₁₀ fluoroalkyl substituted with 0-5 R²³, C₂-C₁₀ alkenyl substituted with 0-5 R²³, C₂-C₁₀ fluoroalkenyl substituted with 0-5 R²³, aryl substituted with 0-5 R²³, C₇-C₁₆ alkaryl wherein the aryl is substituted with 0-5 R²³, and fluoroaryl substituted with 0-5 R²³; or R¹⁷ and R¹⁸ may be taken together to form a C₃-C₁₀ cycloalkyl or C₃-C₁₀ cycloalkenyl optionally interrupted with C(O)NH, NH, NHC(O), NHC(O)NH, NHC(S)NH, O, S, S(O), S(O)₂, P(O)(OR²⁴), P(O)(OR²⁴)O or P(O)(NHR²⁴)O, or to form a =CH-R^{22a} group, wherein R^{22a} is aryl substituted with 0-5 R²³ or heterocycle substituted by 0-5 R²³;

R²³ is selected from the group consisting of H, OH, C₁-C₃ alkyl, C₁-C₃ hydroxyalkyl, C(=O)R²⁴, C(=O)OR²⁴, C(=O)NR²⁴₂, PO(OR²⁴)₂ and S(O)₂OR²⁴; and

R²⁴ is selected from the group consisting of H, C₁-C₆ alkyl, C₃-C₆ cycloalkyl, C₁-C₆ fluoroalkyl, C₁-C₆ alkenyl, C₃-C₆ cycloalkyl, C₁-C₆ fluoroalkenyl, benzyl, fluorobenzyl, phenyl, and fluorophenyl,

with the proviso that when A is H-Si, and m is 3, k is other than 0, and when A is CH₃-C and k is 1 and R₁₇ is H, R₁₈ is other than H.

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37 CFR § 1.116

Claims 88-110 (Canceled)